VISUAL AND DATA JOURNALISM AT THE BBC

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Online we make maps, charts, graphs, longform storytelling and interactive digital content for mobile, tablet, desktop and social media.
A wide range of daily graphics

Countries hit in initial hours of cyber-attack

- US: Delivery company FedEx affected
- UK: 61 NHS organisations disrupted
- Russia: Country's interior ministry reported 1,000 of its computers infected
- Spain: Telecoms and gas companies struck
- France: Some Renault factories had to stop production

*Map shows countries affected in first few hours of cyber-attack, according to Kaspersky Lab research, as well as Australia, Sweden and Norway, where incidents have been reported since.

Source: Kaspersky Lab's Global Research & Analysis Team

How much exercise does it take to burn off calories?

<table>
<thead>
<tr>
<th>Food</th>
<th>Sugary soft drink</th>
<th>Standard chocolate bar</th>
<th>Packet crisps</th>
<th>Cereal (1 bowl)</th>
<th>Blueberry muffin</th>
<th>Sandwich (chicken &amp; bacon)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time it takes to burn off calories in minutes: Running (5mph)</td>
<td>229</td>
<td>42</td>
<td>171</td>
<td>172</td>
<td>25</td>
<td>48</td>
</tr>
<tr>
<td>Walking (3-5mph)</td>
<td>138</td>
<td>42</td>
<td>171</td>
<td>172</td>
<td>25</td>
<td>48</td>
</tr>
</tbody>
</table>

Source: RSPH

The UK's recent history at Eurovision

- Winner: Katrina and the Waves
- 3rd place: Jessica Garlick
- 2nd place: Jade Ewen
- 5th place: Imaani
- Last place: Andy Abraham
- Last place: Josh Dubovie
- Last place: Jemini

The number of finalists has fluctuated between 23 and 27

Source: Eurovision Song Contest

Winning margins (%)

- **Macron**
  - Less than 10
  - 10-19.9
  - 20-34.9
  - 35+

- **Le Pen**
  - Less than 10
  - 10-19.9
  - 20-34.9
  - 35+

Source: French Interior Ministry
**Terror on Westminster Bridge**

**Direction of travel**

- **14:40:23** Car leaves bridge
- **14:40:18** Car hits group and woman falls
- **14:40:13** Pedestrians hit
- **14:40:08** Car mounts pavement

### The aftermath of the attack

- **Casualties**
- **Approximate direction of vehicle**
- **Approximate route of attacker on foot**

**14:41:30** Police officer stabbed and attacker shot

**14:40:36** Vehicle crashes into railings

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**Palace of Westminster**
Bigger projects

What has President Trump said about your country in his first 100 days?

What the US president says in public about other countries has been a major part of international diplomacy for the last 100 years.

Find out which foreign leaders President Trump has met or called since taking office, as well as the countries he has mentioned in his tweets.

http://www.bbc.co.uk/news/world-us-canada-39732845
Simple data-led story

NHS Health Check: Nine in 10 hospitals 'overcrowded' this winter

By Nick Triggle
Health correspondent

© 21 February 2017 | Health

The number of patients on hospital wards in England has been at unsafe levels at nine out of 10 NHS trusts this winter, BBC analysis shows.

http://www.bbc.co.uk/news/health-38853707
Data-led story

Life and death in Syria
Five years into war, what is left of the country?

The war in Syria has raged for five years and claimed the lives of more than a quarter of a million people. Millions have fled the conflict, but nearly 18 million people still live in the war-torn country — so what is life like for them?

Counting the cost

In many areas the threat of death or injury is a fact of life. Everyone in Syria will have known people who have died — but the exact number of those who are gone may never be known.

The Violations Documentation Center, a network of activists inside Syria, has worked to record the victims and the cause of their deaths. Below are some of the names of children the group has confirmed as having been killed in the civil war.

Ahmad Abdo Khder Tellawi, a boy from Homs, was shot and killed on 17 April 2011

To see the names of all the children killed would take over 19 hours

http://www.bbc.co.uk/news/resources/idt-841ebc3a-1be9-493b-8800-2c04890e8fc9
Buried without a name
The untold story of Europe’s drowned migrants

By Vladimir Hernandez and Nassos Stylianou

BBC News

More than 1,250 unnamed men, women and children have been buried in unmarked graves in 70 sites in Turkey, Greece and Italy since 2014, a BBC investigation has found. They died trying to cross the Mediterranean to seek a new life in Europe.

Over the past two years an estimated 8,000 people have lost their lives trying to cross into the EU, according to figures from the International Organization for Migration (IOM).

Most are lost at sea, but many bodies have been washed ashore, bringing tragedy to the beaches of Greece, Italy and Turkey.

http://www.bbc.co.uk/news/resources/idt-91f3683c-5e3c-4a2e-92eb-7d7f6a024c02
96 incidents
7,055 dead or missing
56 cemeteries
346 unmarked graves

Of the 30 areas with the...
- most elderly people, 27 voted Leave
- fewest graduates, 28 voted Leave
- most people identifying as English, all 30 voted Leave

Source: Census 2011

Google, Open Street Map, IOM's Missing Migrants Project and BBC research. Some locations are approximate. Data is from 1 January 2014 to 30 April 2016.

The price of the crossing ranges from $600 – $2,500
Average travel time in a rubber boat is 1-2 hours in clear weather, but may take much longer if the sea is choppy.
Personal relevance

Who is your Olympic body match?

Enter your details below to find your Rio 2016 body match from our database of more than 10,000 athletes taking part in the Games.

Height

Weight

Date of birth

Match with athletes who are

Female

Male

Find your match

http://www.bbc.co.uk/sport/olympics/36984887
I did this quiz. Shockingly, I got myself as the #1 match. Found this unnecessarily pleasing and amusing 😂
In a stunning election night, the Republican nominee for president, Donald Trump, secured victory after a string of formerly Democratic states swung his way. Pennsylvania, Florida, Ohio, Wisconsin, Iowa and Michigan all turned red.

Nationally, Donald Trump won 47% of the vote to Hillary Clinton’s 48% - yet this translated into 306 electoral college votes for the Republicans and 232 for the Democrats.
Of the 250 counties with the...  
...most white people, 249 voted for Trump

...most old men, 241 voted for Trump

...most black people, 144 voted for Clinton

Source: US census
Who will win the general election and by how much? Check what the latest opinion polls say and follow updates from the BBC's senior elections and political analyst Peter Barnes. The poll tracker will be updated as the campaign unfolds.

The trend lines are calculated as a rolling median of the seven latest polls. The median is the middle value of a set of numbers. When new polls are added, the median recalculates to take account of the latest 7 poll values.
Boko Haram fatal attacks
Civilians reported killed in Boko Haram attacks Sep 2010 - Apr 2014

Source: Armed Conflict Location and Event Data Project, created by Prof. Clionadh Raleigh, University of Sussex
Tools we use

Mapping
• QGIS (free and open source)
• D3 javascript library
• Google Maps API
• Landsat (NASA) satellite imagery

Other data tools
• Excel
• Scripting (R, Python)
• Qgis/Tableau
• AWS cloud
BBC News accounts

• Facebook - main BBC News
• Also: Health & Lifestyle, Family & Education, Politics, Entertainment news
• Instagram
• Focussed Twitter accounts – Breaking, UK, World, US & Canada, Business, Politics, Graphics etc
“One thought” visuals

Two million tonnes of plastic bottles weigh the same as 10,000 blue whales
“One thought” visuals

“...we are not afraid and our resolve will never waver in the face of terrorism”

Prime Minister
Theresa May
DONALD TRUMP IS ELECTED President of the United States
7 ways to share photos of your child more safely
Personalisation

Will a robot take your job?

Type your job title into the search box below to find out the likelihood that it could be automated within the next two decades.

About 35% of current jobs in the UK are at high risk of computerisation over the following 20 years, according to a study by researchers at Oxford University and Deloitte.

I am a...

Can't find your job? Browse the full list

Find out my automation risk
It is estimated that dancers have a 13% chance of their job being automated in the next 20 years.
It is estimated that cleaners have a 57% chance of their job being automated in the next 20 years.
Instagram stories

What has President Trump said about your country?
Instagram stories

Swipe up for more of President Trump's comments, phone calls and Tweets about foreign countries in his first 100 days.